### PATENT COOPERATION TREATY

INTERNATIONAL SEARCHING AUTHORITY					
ABB AB LEGAL COMPLIANCE/ INTELLECTUAL PROPERTY 721 78 VÄSTERÅS	PCT  WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY  (PCT Rule 43bis.1)				
	Date of mailing (day/month/year)  1 7 -03- 2005				
Applicant's or agent's file reference	FOR FURTHER ACTION				
9594WO/AT/MZ	See paragraph 2 below				
International application No. International for PCT/SE 2004/001931 17-12-2	filing date (day/month/year) Priority date (day/month/year) $22-12-2003$				
International Patent Classification (IPC) or both national					
G01S 5/14, G06F 17/30, G06F					
Applicant ABB RESEARCH LTD.et al					
1. This opinion contains indications relating to the following items:    Box No. I   Basis of the opinion					
Name and mailing address of the ISA/SE	Authorized officer				
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Form PCT/ISA/237 (cover sheet) (January 2004)

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International application No.

PCT/SE 2004/001931

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1.	which it	was filed, unless otherwise in his opinion has been establis	inion has been established on the ndicated under this item. shed on the basis of a translation uage of a translation furnished for	from the original language in	to the following language,
2.	claimed i		r amine acid sequence disclosed een established on the basis of: puence listing	d in the international applicati	on and necessary to the
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# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

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1. Statement			
Novelty (N)	Claims	2-19,22,24-27,29,31-35	YES
	Claims	1,20,21,23,28,30,36-40	NO
Inventive step (IS)	Claims		YES
	Claims	1-40	NO
Industrial applicability (IA)	Claims	1-40	YES
	Claims		NO

#### 2. Citations and explanations:

Reference is made to the following documents:

D1: GB 2371884 A
D2: WO 0201484 A1
D3: US 20030061159 A1
D4: WO 9635196 A1
D5: US 4920488 A

The invention concerns a method and a device for recording the position of a component in a location system of a control system of an industrial facility for an industrial process. The object of the invention is to simplify the input of data.

D1 discloses a location system of a control system of an industrial facility for an industrial process comprising a model of the facility. Data is input manually.

D2 discloses a system comprising a geographic database which can be used for different applications, e.g. street sign inventory. The positions of the street signs are displayed on a map on a graphics display of a portable computer. The traffic signs are identified by a bar code reader and the position of the portable computer is determined by a GPS receiver. Data communication signals 238, 240 are used for transferring the identification information and position information to the computer. Related identification and position information is stored in a geographical information database (see page 3, lines 19-32 and page 13, line 6- page

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Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawing or on the question whether the claim are fully supported by the description, are made:

Independent claims 28, 30, 36, 37, 38, 39 and 40 fails to comply with the clarity and conciseness requirements of PCT Article 6. In claims 28 and 30 it is not clear how the parts are connected and cooperate. Claims 36, 37 and 38, although formally connected to a method claim, do not include the essential features that are necessary to carry out the method. Claims 39 and 40 relating to a signal comprising do. information not include technical any features characterizing the signal. Furthermore, claim 40 relating to a signal comprising identification information does not give a technical solution to the problem of recording the position.

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#### Supplemental Box

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14, line 17).

Documents D3-D5 disclose similar systems for updating a geographical database using a portable computer and GPS positioning.

Document D1 is considered to represent the closest prior art. The invention according to independent claims 1, 20, 21, 28, 36, 37, 38, 39 and 40 differs from the system in D1 in that a mobile information processing device and a positioning device is placed adjacent the component. The invention according to independent claims 23 and 30 differs from the system in D1 only in the input of position data into a conventional computer.

Due to these features a simpler data input is achieved. Consequently, with the background of D1, the problem is to design a method and a device which achieves a simplified positioning data input. A solution to this problem is known from document D2, which describes a system for storing related identification and position information of an object in a database using a portable computer and GPS positioning. In D2 the street sign inventory application is merely illustrative and other applications are suggested.

Thus, the person skilled in the art, having the device known from D1 as a starting point, aiming to solve the identified problem, would with the knowledge of D2 modify the system of D1, and thus arrive at the invention according to independent claims 1, 20, 21, 23, 28, 30, 36, 37, 38, 39 and 40. Since D1 and D2 both relate to the same technical field and no unexpected effect is obtained, the combination of what is known from D1 and D2 is considered obvious for a person skilled in the art. Therefore, the subject-matter defined in independent claims 1, 20, 21, 23, 28, 30, 36, 37, 38, 39 and 40 does not involve an inventive step.

Also the subject-matter defined in dependent claims 2, 3, 6-9, 11, 13, 16, 18, 22, 24-27, and 29 is disclosed in D2. The remaining claims are considered to involve particular detail

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executions which are known from the cited documents D1-D5 or are obvious to a person skilled in the art. Therefore, the invention according to claims 2-19, 22, 24-27, 29 and 31-35 is not considered to involve an inventive step.